

ABSTRACT OF THE DISCLOSURE

In a lighting apparatus using microwaves, a lighting apparatus using microwaves including a resonator transmitting a light but preventing the escape of microwaves, a waveguide placed at an internal domain of the resonator and transmitting the microwaves, a microwave generating means installed at the side of the resonator and transmitting microwaves into the waveguide, and a bulb placed at the center of the resonator and emitting light by generating a plasma by the microwaves transmitted through the waveguide is capable of miniaturizing a lighting system and at the same time improving a lighting efficiency.